

Fig. 2

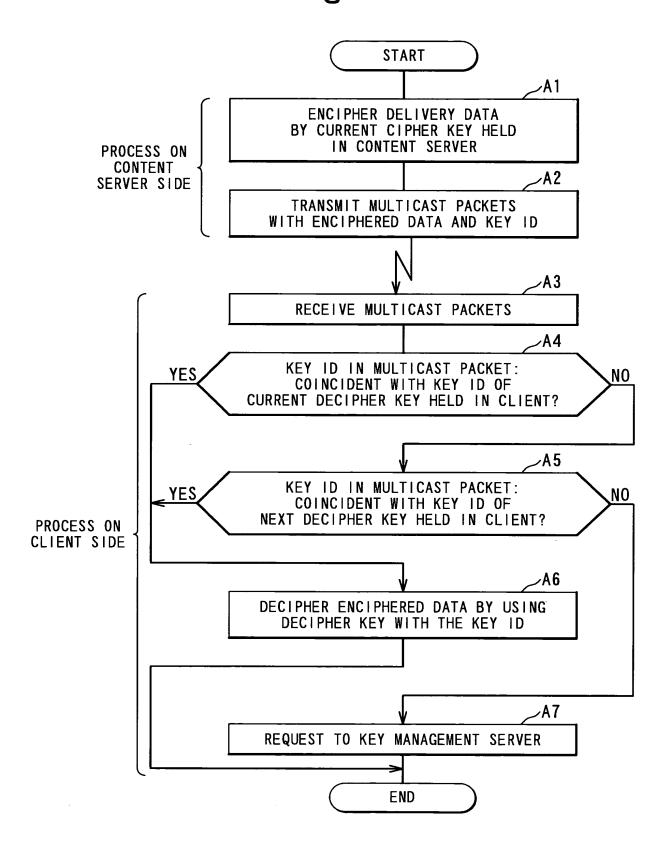


Fig. 3

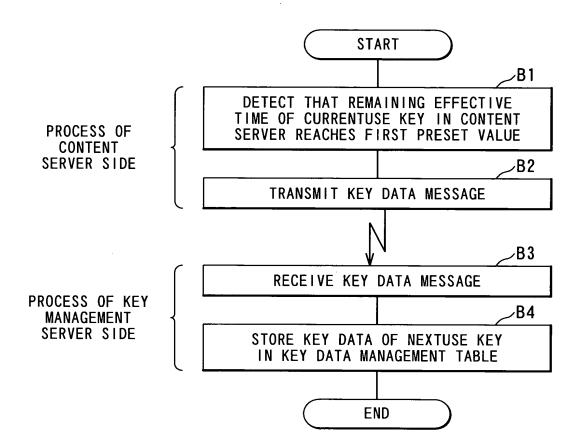
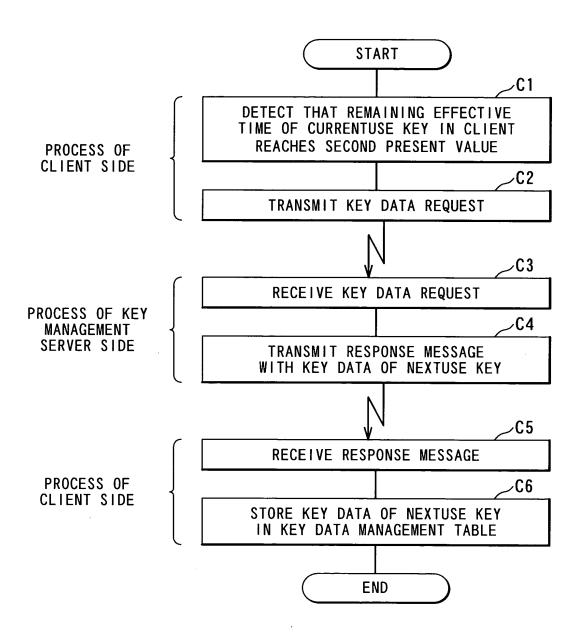
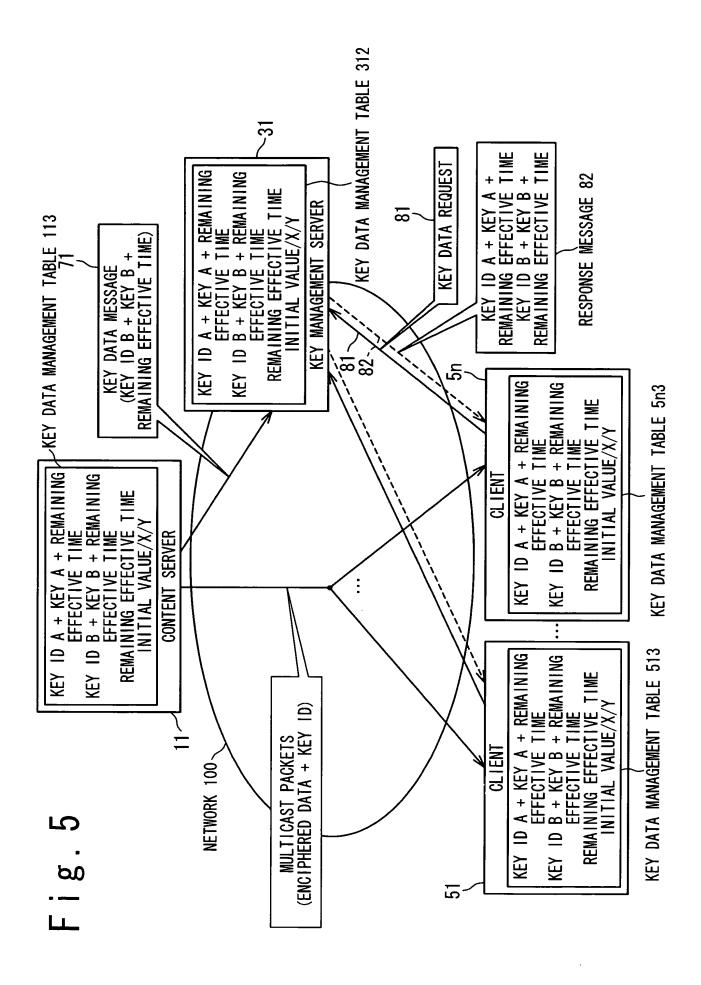


Fig. 4





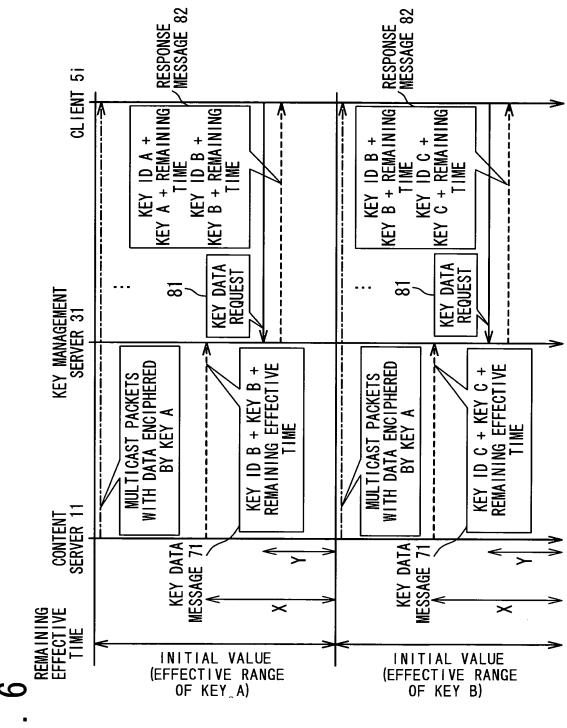


Fig. 6

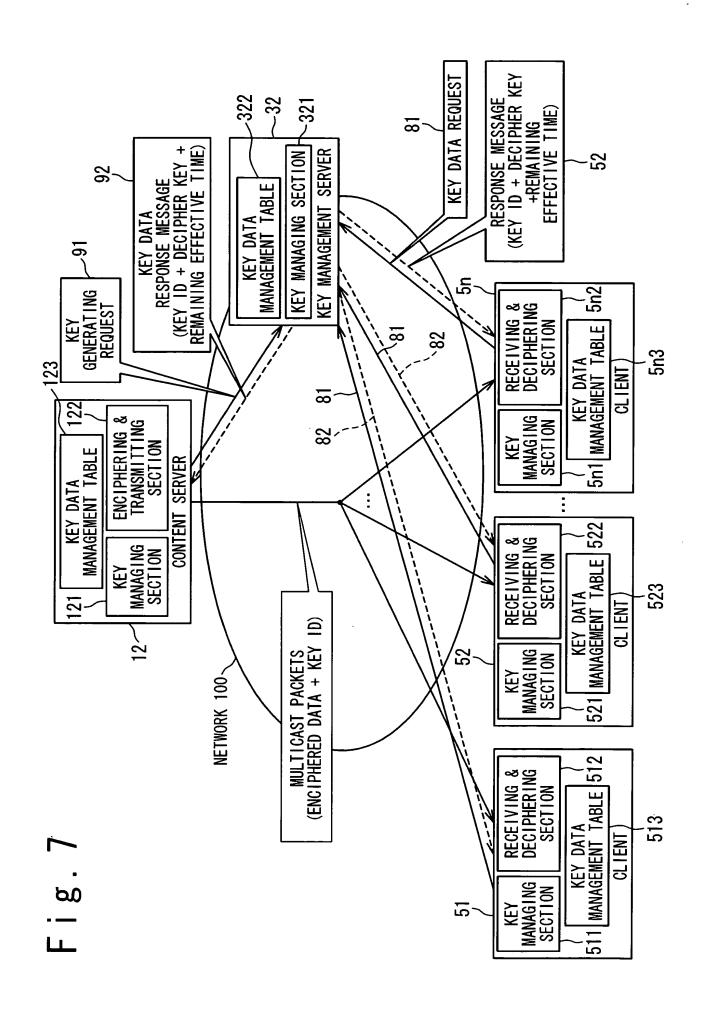
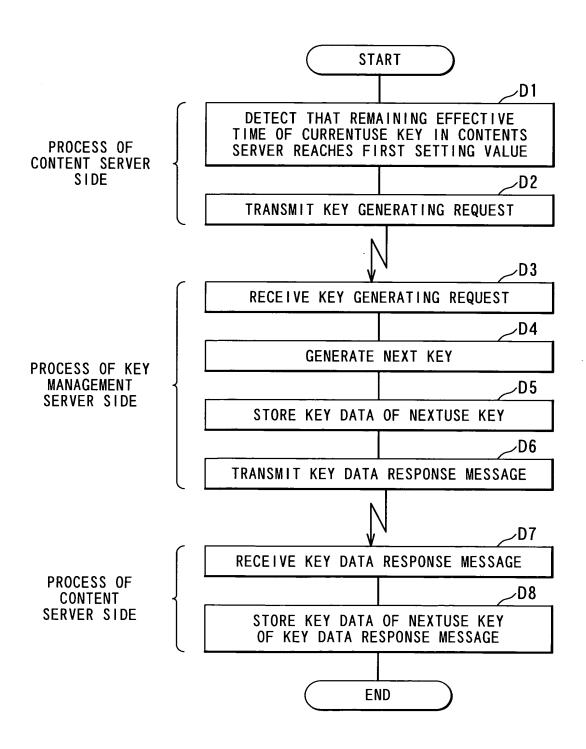
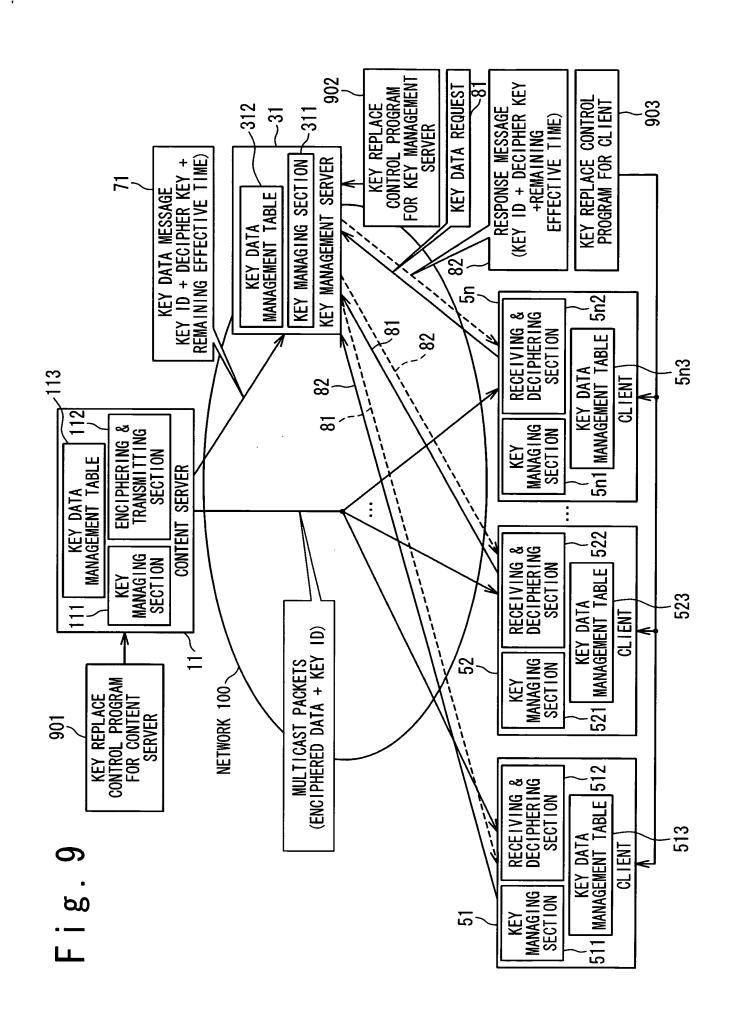
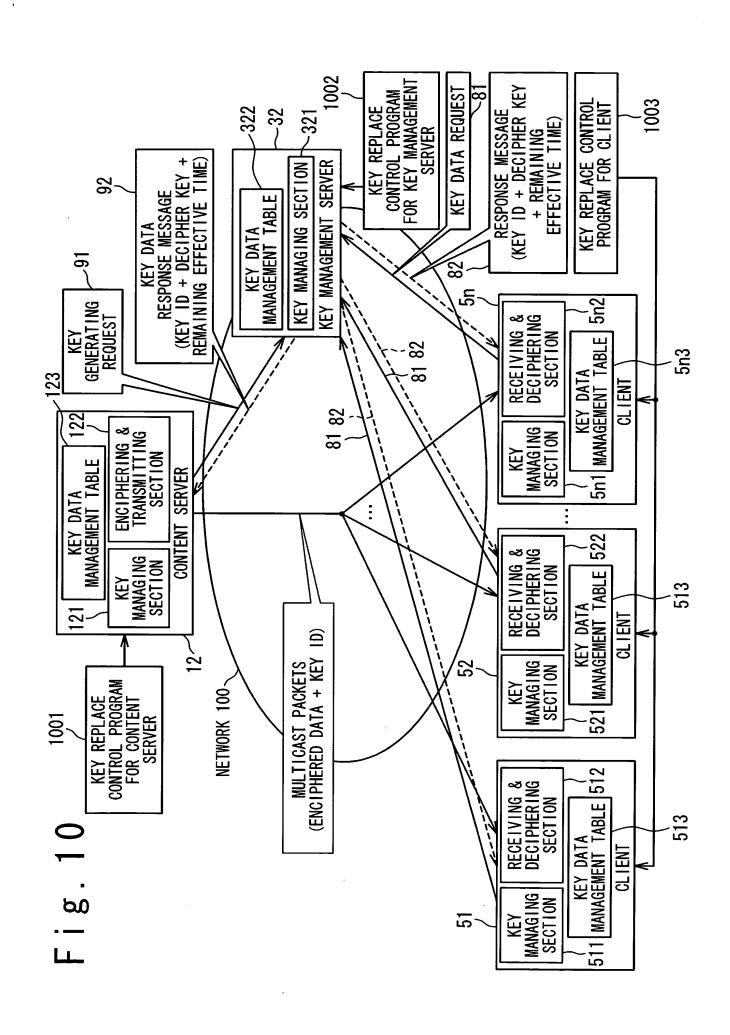


Fig. 8







KEY DATA MANAGEMENT TABLE TRANSMITTING SECTION DECIPHER KEY 312 GENERATING SECT I ON MANAGEMENT $\frac{2}{2}$ SERVER **是** -1m2 É KΕ 5 L CLIENT \5n2 CIPHER KEY ACQUIRING SECTION DECIPHER KEY TABLE CIPHER KEY TABLE ACQUIRING SECTION ENCIPHERING & TRANSMITTING CONTENT SERVER **5n1** RECEIVING & DECIPHERING SECTION DECIPHER KEY SECTION 5n3 12 52 CIPHER KEY ACQUIRING SECTION **√52**2 CIPHER KEY TABLE DECIPHER KEY TABLE DECIPHER KEY ACQUIRING SECTION CONTENT SERVER 122 ENCIPHERING & TRANSMITTING SECTION 521 RECEIVING & DECIPHERING 123 CLIENT SECTION 523 MULTICAST PACKETS (ENCIPHERED CIPHER KEY ACQUIRING SECTION CIPHER KEY TABLE 513-HDECIPHER KEY TABLE CONTENT SERVER DECIPHER KEY
ACQUIRING SECTION DATA+KEY ID) **ENCIPHERING & TRANSMITTING** RECEIVING & DECIPHERING SECTION SECTION -NETWORK 100 **CLIENT** ණ . 113~ 112-512 -51 2

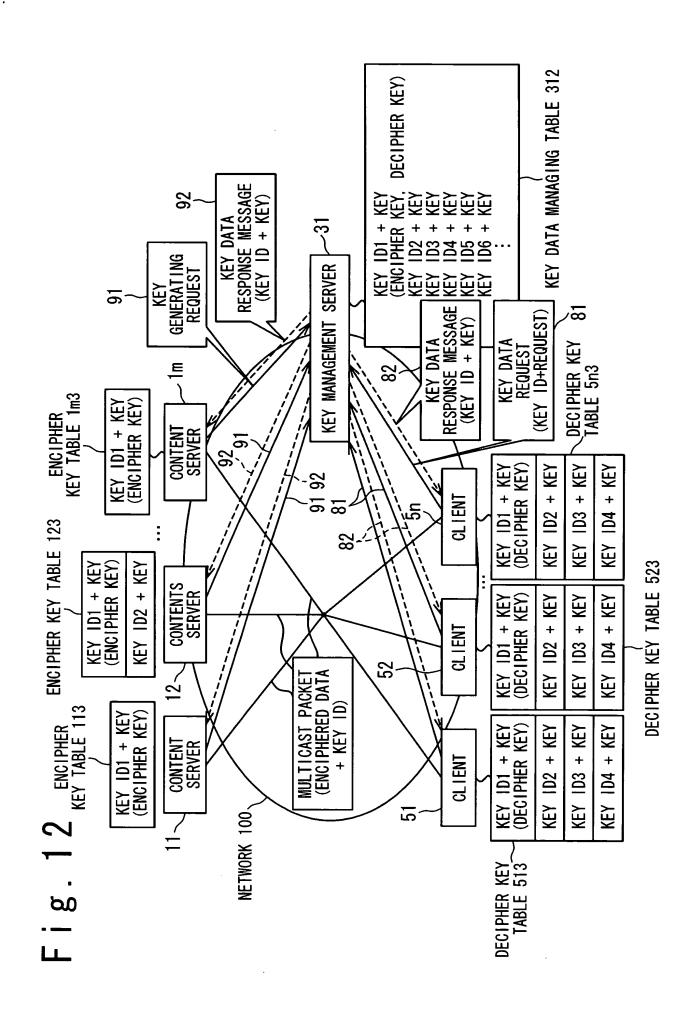


Fig. 13

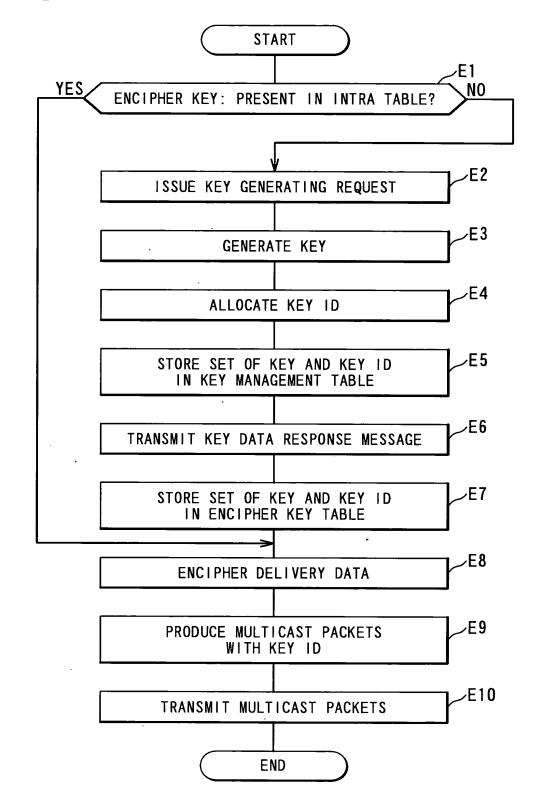
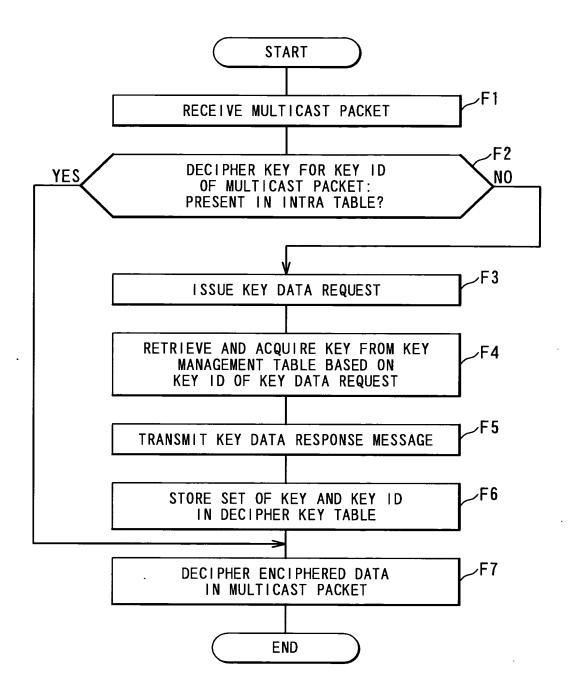


Fig. 14



MANAGEMENT TABLE MANAGEMENT MANAGEMENT KEY MANAGEMENT SLAVE SERVER 41 KEY MANAGEMENT SLAVE SERVER 4p TABLE TABLE 4p0 KEY GENERATING & DELIVERING DECIPHER KEY TRANSMITTING TRANSMITTING DECIPHER KEY SECT I ON SECT I ON SECTION 4p2 401 MANAGEMENT MASTER SERVER STOR ING SECTION KEY STOR ING SECTION ΚĒ <u> 한</u> 41 ,1m3 , | | | É Æ Ś **√5n2** TABLE CIPHER KEY ACQUIRING SECTION CIPHER KEY TABLE ACQUIRING SECTION ENCIPHERING & TRANSMITTING SECTION CONTENT SERVER **5n1** RECEIVING & DECIPHERING DECIPHER KEY CL I ENT SECTION DECIPHER KEY **5n3** 7 52 CIPHER KEY ACQUIRING SECTION **√522** TABLE CIPHER KEY TABLE ACQUIRING SECTION CONTENT SERVER 122 TRANSMITT ING SECTION ENCIPHERING & 521 RECEIVING & DECIPHERING SECTION DECIPHER KEY CLIENT 123 DECIPHER KEY 523 MULTICAST PACKETS (ENCIPHERED CIPHER KEY ACQUIRING SECTION CIPHER KEY TABLE 513- DECIPHER KEY TABLE CONTENT SERVER DECIPHER KEY ACQUIRING SECTION DATA+KEY ID) ENCIPHERING & **FRANSMITTING** RECEIVING & DECIPHERING SECTION NETWORK 100 SECTION CL I ENT 15 т ------113~ 112~ 51 51

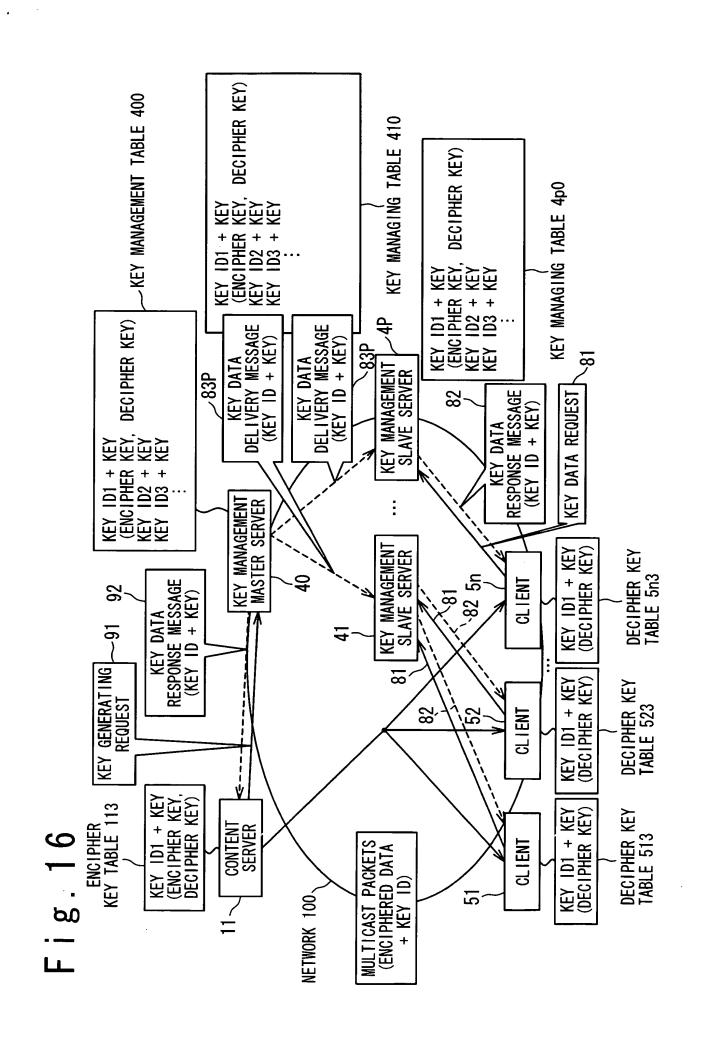
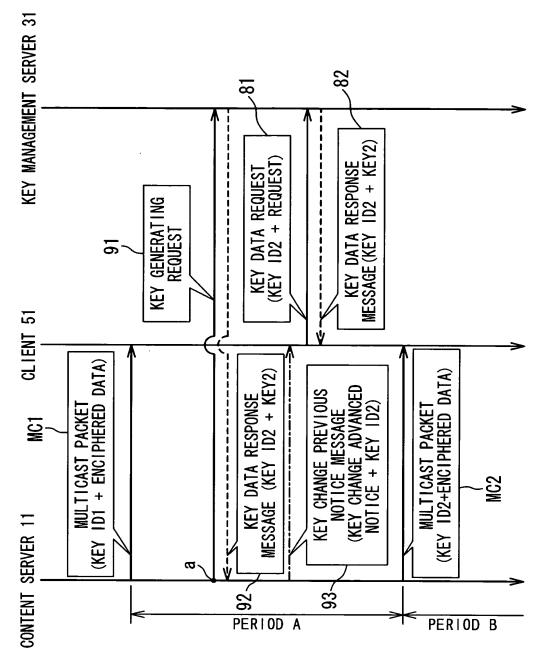
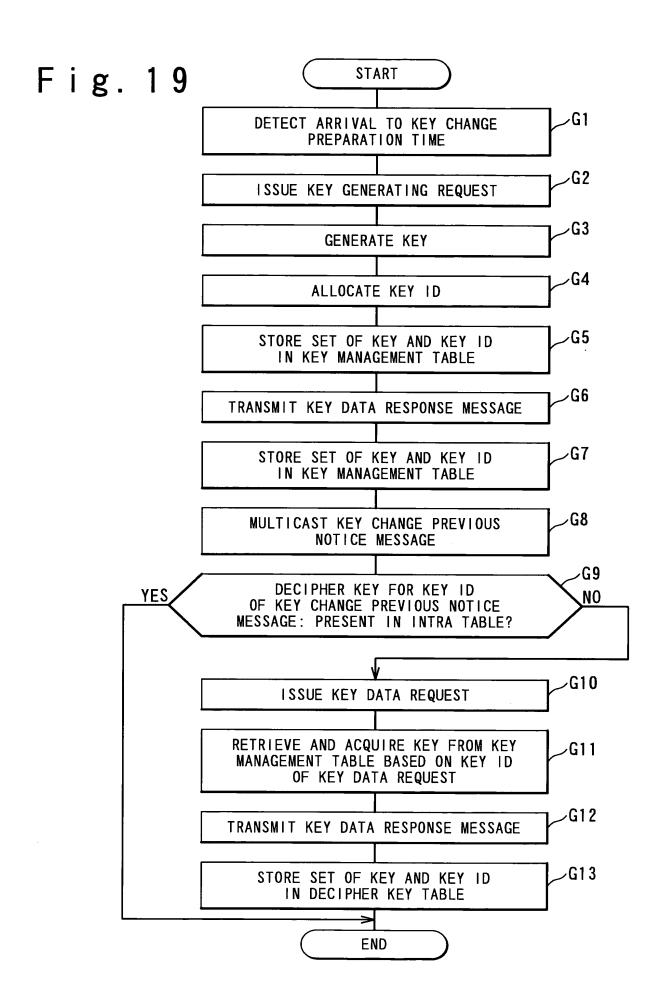
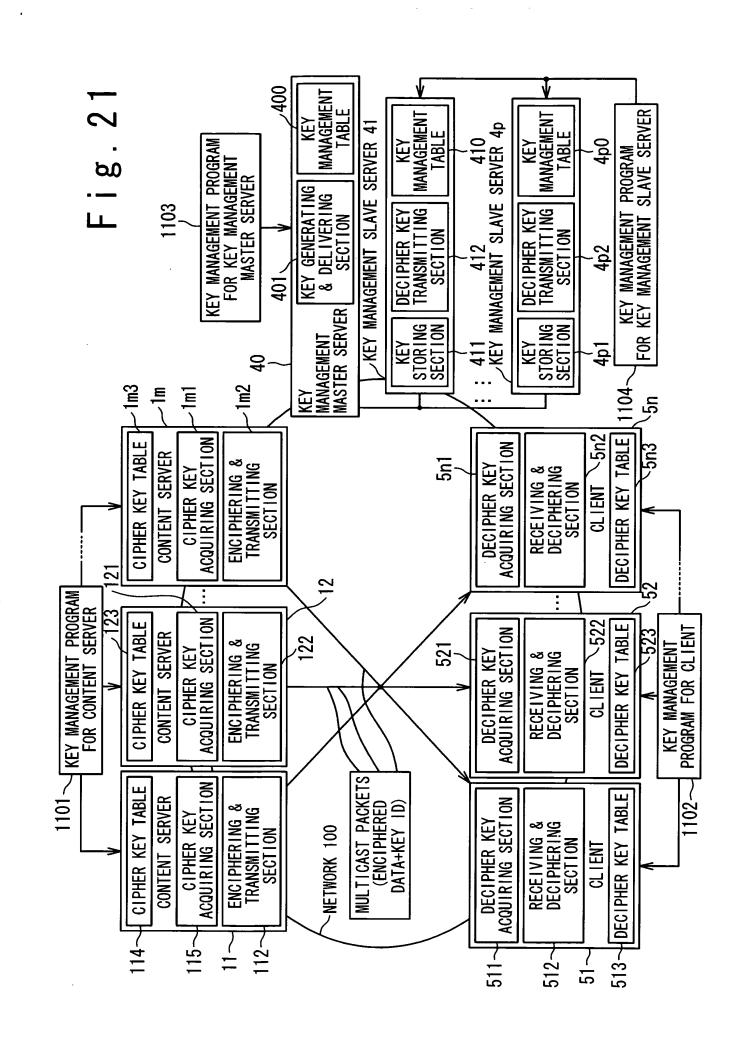
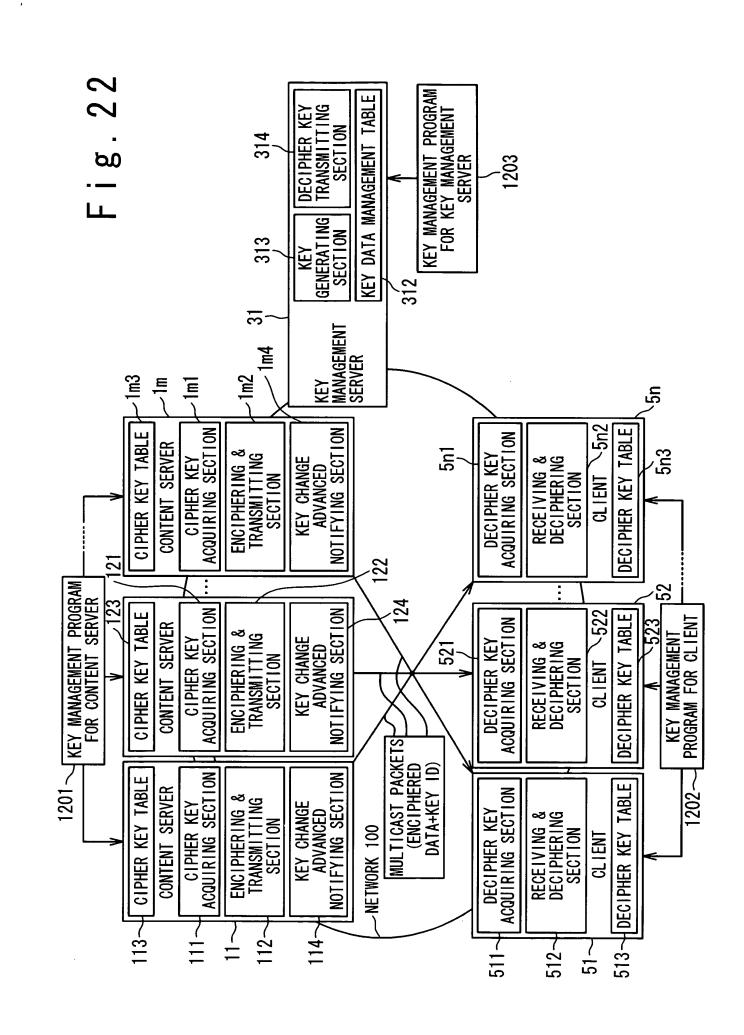


Fig. 18









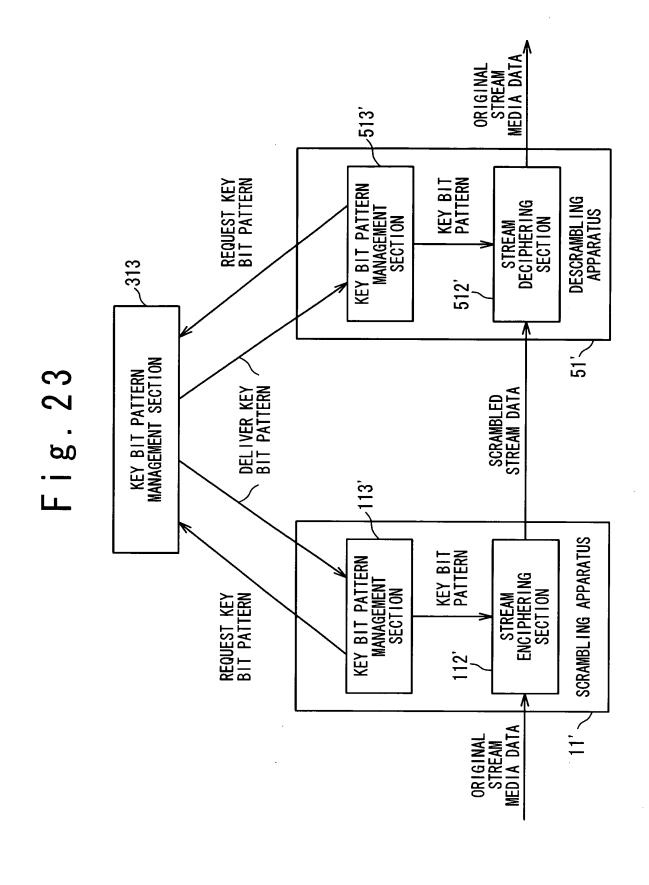


Fig. 24

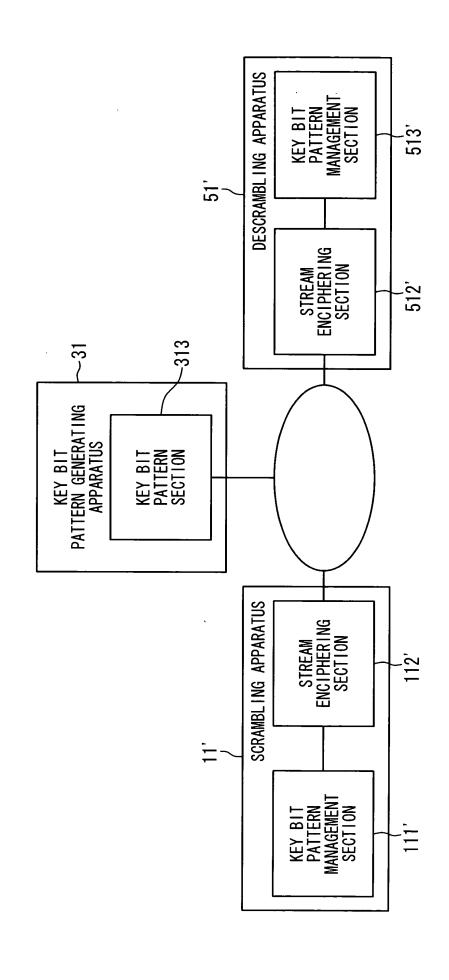


Fig. 25A

(BIT NO.)

ORIGINAL STREAM MEDIA DATA

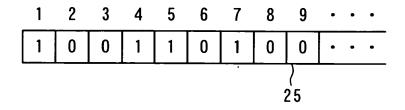


Fig. 25B

KEY BIT PATTERN

1	1	0	1

Fig. 25C

SCRAMBLED STREAM DATA

0	1	0	0	26

Fig. 26A

(BIT NO.)

ORIGINAL STREAM MEDIA DATA

1	2	3	4	5	6	7	8	9	•	•	•
1	0	0	1	1	0	1	0	0	•	•	•
25											

Fig. 26B

KEY BIT PATTERN

Fig. 26C

SCRAMBLED STREAM DATA

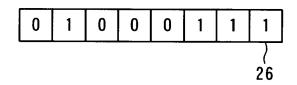


Fig. 27A

(BIT NO.)

SCRAMBLED STREAM MEDIA DATA

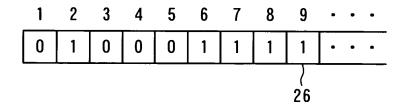


Fig. 27B

KEY BIT PATTERN

1	1	n	1
'	' '	U	' '

Fig. 27C

ORIGINAL STREAM DATA

				_ ^!
1	0	0	1]''

Fig. 28A

(BIT NO.)

SCRAMBLED STREAM MEDIA DATA

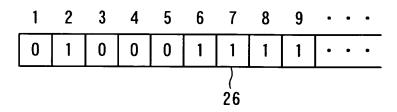


Fig. 28B

KEY BIT PATTERN

1	1	0	1

Fig. 28C

ORIGINAL STREAM

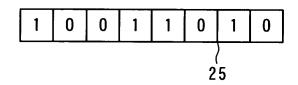


Fig. 29

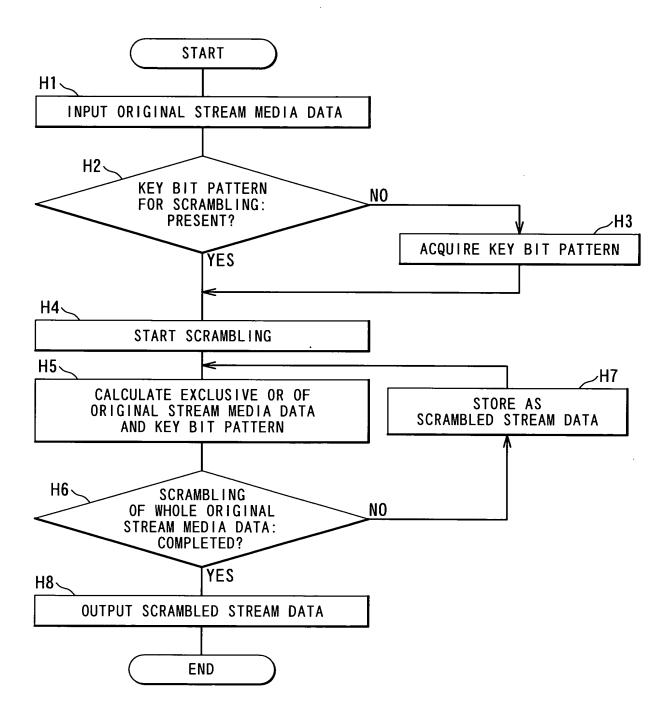


Fig. 30

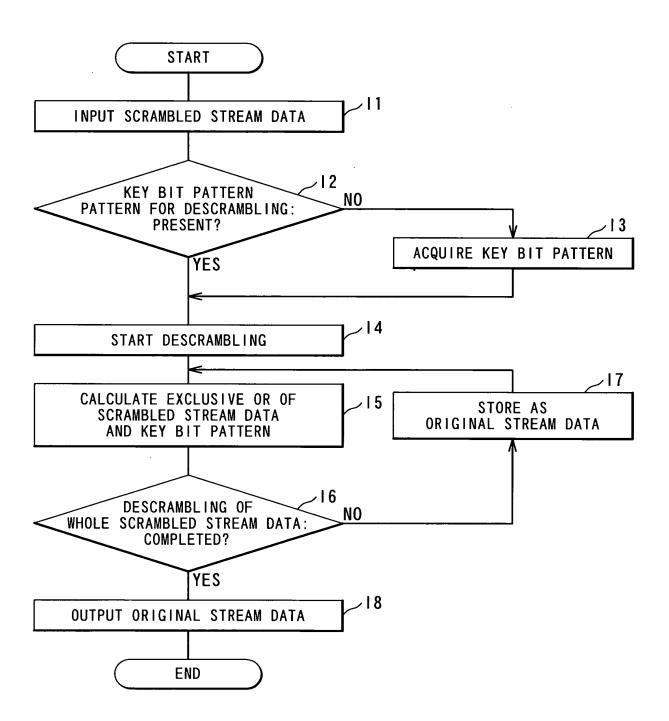


Fig. 31A

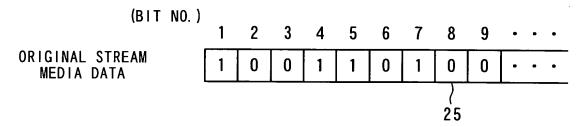


Fig. 31B

KEY BIT PATTERN

1	1	0	1

Fig. 31C

KEY BIT PATTERN

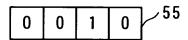


Fig. 31D

SCRAMBLED STREAM DATA

0	1	0	0	1	0	0	0	 26

Fig. 32A

(BIT NO.)

1 2 3

SCRAMBLED STREAM 0 1 0

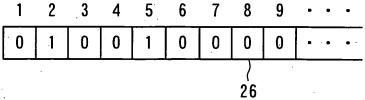


Fig. 32B

KEY BIT PATTERN

1 1	0	1
-----	---	---

Fig. 32C

KEY BIT PATTERN

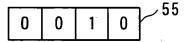


Fig. 32D

ORIGINAL STREAM DATA

								. 25
1	0	0	1	1	0	1	0	/ 25